



National Institute of Food and Agriculture
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Agriculture and Food Research Initiative FY2010 Experience FY2011 Programs



INVESTING IN SCIENCE | SECURING OUR FUTURE



2008 Farm Bill Created New Agency—

National Institute of Food and Agriculture (NIFA)

Purpose: Advance science.

Science: Research, Education, Extension
(both independently and integrated)



Framework To Advance Science:

1. Focus on a societal challenge (New Biology).
2. Scale work to make a difference through supporting transdisciplinary work—often across disciplines and institutions.
3. Focus + Scale = Impact
Result of focus and scale is impact on societal challenge.



The 2008 Farm Bill authorized the Secretary of Agriculture to establish a new competitive grant program to provide funding for fundamental and applied research, extension, and education to address food and agricultural sciences.

AFRI supersedes the National Research Initiative.

AFRI Grants shall be awarded to address priorities in United States agriculture.



Agriculture and Food Research Initiative

Five **Challenge Areas** (Societal Challenges—New Biology) and FY2010 Funding

1. Childhood Obesity Prevention: \$25 M
2. Climate Change: \$40 M
3. Global Food Security: \$13 M
4. Food Safety: \$20 M
5. Sustainable Bioenergy: \$32 M



Agriculture and Food Research Initiative

Foundational Program (FY2010 \$65 M)

1. Plant Health and Production and Plant Products
2. Animal Health and Production and Animal Products
3. Food Safety, Nutrition, and Health
4. Renewable Energy, Natural Resources, and Environment
5. Agriculture Systems and Technology
6. Agriculture Economics and Rural Communities



Agriculture and Food Research Initiative

NIFA Fellowships Grant Program RFA: \$6 M

1. Offer individual fellowships for pre- and postdoctoral students – *NIFA Fellows*
2. Focus on the broad Challenge Areas
3. Anticipated release in Spring 2011



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Agriculture and Food Research Initiative

See handouts



Agriculture and Food Research Initiative

AFRI for FY 2011

1. RFAs released in stages Starting in January.
2. Incorporation of extensive stakeholder outreach results.
3. Overall structure will be constant with Challenge areas and Foundational Programs.
4. Greater emphasis on post award activities and communication for AFRI and all NIFA award types.



Letters of Intent

- Required for most program areas.
- Take care to follow the guidelines.



Suggestions for AFRI Applicants

- ✓ Be on time with your letter of intent.
- ✓ Apply early!
- ✓ Look for collaborators that will enable your team to effectively advance the science and have impact. These may be outside the college of Ag, at another university/ institute or federal lab.
- ✓ The successful integration of research, education and extension is best accomplished at the onset of development of the proposal—in the framing.




AFRI Comments and Suggestions

- ✓ Engage stakeholders. This is the hallmark of successful integrated applications and Coordinated Agricultural Projects.
- ✓ Build on your strengths and look for synergy within the team.



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Agriculture and Food Research Initiative FY 2010 Funding Summary as of January 2011



Agriculture and Food Research Initiative

Five **Challenge Area** making integrated Research, education and extension grants and FY2010 Funding

1. Childhood Obesity Prevention: \$25 M
2. Climate Change: \$40 M
3. Global Food Security: \$13 M
4. Food Safety: \$20 M
5. Sustainable Bioenergy: \$32 M



Agriculture and Food Research Initiative

Childhood Nutrition and Obesity Challenge **Area** FY2010 Funding

- Allocated \$25 million
- Requested in Applications \$507 million
- Awarded \$19.4 Million
- Processing \$4.6 million in additional awards



Agriculture and Food Research Initiative

Climate Change Challenge Area

FY2010 Funding

- Allocated \$40 million
- Requested in Applications \$815 million
- Awarded \$38 Million
- Processing \$2 million in additional awards



Agriculture and Food Research Initiative

Food Safety Challenge Area

FY2010 Funding

- Allocated \$20 million
- Requested in Applications \$391 million
- Awarded \$9.7 Million
- Processing \$10.3 million in additional awards



Agriculture and Food Research Initiative

Sustainable Bioenergy Challenge Area

FY2010 Funding

- Allocated \$32 million
- Requested in Applications \$1,526 million
- Awarded \$14 Million
- Processing \$18 million in additional awards



Agriculture and Food Research Initiative

Foundational Program (making primarily
research only awards FY2010 \$65 M)

1. Plant Health and Production and Plant Products
2. Animal Health and Production and Animal Products
3. Food Safety, Nutrition, and Health
4. Renewable Energy, Natural Resources, and Environment
5. Agriculture Systems and Technology
6. Agriculture Economics and Rural Communities



Agriculture and Food Research Initiative

Plant Health and Production and Plant Products

FY2010 Funding

- Allocated \$16 million
- Requested in Applications \$83 million
- Awarded \$15.9 Million
- Processing \$0.1 million in additional awards



Agriculture and Food Research Initiative

Animal Health and Production and Animal Products

FY2010 Funding

- Allocated \$16 million
- Requested in Applications \$72 million
- Awarded \$16 million
- Processing \$0 million in additional awards



Agriculture and Food Research Initiative

Food Safety, Nutrition, and Health

FY2010 Funding

- Allocated \$8 million
- Requested in Applications \$23 million
- Awarded \$6.8 million
- Processing \$1.2 million in additional awards



Agriculture and Food Research Initiative

Renewable Energy, Natural Resources, and Environment

FY2010 Funding

- Allocated \$8 million
- Requested in Applications \$38 million
- Awarded \$7.8 million
- Processing \$0.2 million in additional awards



Agriculture and Food Research Initiative

Agriculture Systems and Technology

FY2010 Funding

- Allocated \$7 million
- Requested in Applications \$41 million
- Awarded \$10 million
- Includes \$3 million in additional awards made with FY2009 funds (nanotechnology)



Agriculture and Food Research Initiative

Agriculture Economics and Rural Communities

FY2010 Funding

- Allocated \$10 million
- Requested in Applications \$41 million
- Awarded \$9.7 Million
- Processing \$0.3 million in additional awards



Agriculture and Food Research Initiative

Fellowships – Pre and Post-doctoral

FY2010 Funding

- Allocated \$6 million
- Requested in Applications \$18 million
- Awarded \$0 Million
- Review panels meet in April, awards will be finalized by June



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Thank You

Frank

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